

In the Claims

What is claimed is:

1. A method comprising:

(a) isolating from mammalian blood one or more of its constituents to form an isolate,

(b) percolating gas bubbles through said isolate thereby stimulating at least one blood constituent situated therein and, thereafter,

(c) applying said isolate to damaged tissue to facilitate tissue repair.

2. The method of claim 1 wherein:

at step (b), said gas bubbles comprises Oxygen.

3. The method of claim 1 wherein:

at step (b), said gas bubbles comprises Nitrogen.

4. The method of claim 1 wherein:

at step (b), said bubbles comprise an inert gas.

5. The method of claim 1 wherein:

at step (b), said gas bubbles comprise a non-toxic gas.

6. A method for activating platelet rich plasma comprising:

(a) isolating from whole blood an amount of platelet rich plasma;

- (b) percolating gas bubbles through said platelet rich plasma to stimulate at least one blood component situated therein;
- (c) applying the stimulated platelet rich plasma to damaged tissue to facilitate tissue repair.

7. The method of claim 6 wherein:

at step (b), said gas bubbles comprises Oxygen.

8. The method of claim 6 wherein:

at step (b), said gas bubbles comprises Nitrogen.

9. The method of claim 6 wherein:

at step (b), said bubbles comprise an inert gas.

10. The method of claim 6 wherein:

at step (b), said gas bubbles comprise a non-toxic gas.

11. A method for activating platelet poor plasma comprising:

- (a) isolating from whole blood an amount of platelet poor plasma;
- (b) percolating gas bubbles through said platelet poor plasma to stimulate at least one blood component situated therein;
- (c) applying the platelet poor plasma to damaged tissue to facilitate tissue sealing, repair, or both.

12. The method of claim 11 wherein:

at step (b), said gas bubbles comprises Oxygen.

- 1 13. The method of claim 11 wherein:
2 at step (b), said gas bubbles comprises Nitrogen.
- 3 14. The method of claim 11 wherein:
4 at step (b), said bubbles comprise an inert gas.
- 5 15. The method of claim 11 wherein:
6 at step (b), said gas bubbles comprise a non-toxic gas.
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